

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
24 July 2003 (24.07.2003)

PCT

(10) International Publication Number
WO 03/059970 A1

- (51) International Patent Classification⁷: **C08F 214/26**
- (21) International Application Number: **PCT/JP03/00331**
- (22) International Filing Date: 17 January 2003 (17.01.2003)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
10/046,703 17 January 2002 (17.01.2002) US
- (63) Related by continuation (CON) or continuation-in-part (CIP) to earlier application:
US 10/046,703 (CIP)
Filed on 17 January 2002 (17.01.2002)
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- (81) Designated States (national): CN, US.
- (84) Designated States (regional): European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR).
- Published:
— with international search report
- For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.



WO 03/059970 A1

(54) Title: FLUORINE-CONTAINING COPOLYMER

(57) Abstract: A fluorine-containing copolymer obtained by copolymerizing tetrafluoroethylene, hexafluoropropylene and perfluoro vinyl ether as component monomers, wherein a weight ratio of tetrafluoroethylene, hexafluoropropylene and perfluoro vinyl ether units constituting the fluorine-containing copolymer is 70 to 95 : 5 to 20 : 0 to 10, respectively; the fluorine-containing copolymer having: a melt flow rate of 30 (g/10 minutes) or more; a volatile content index of 0.2 % by weight or less; and a stress relaxation modulus G(t) (unit: dyn/cm²) which satisfies the following formula at t = 0.1 second when measured at a temperature of 310 : G(0.1) > 7 ~ 10 ~ X - 3000 where X denotes the melt flow rate (unit: g/10 minutes). Also disclosed is an insulating material composed of the fluorine-containing copolymer and an insulated cable having a core conductor coated with the fluorine-containing copolymer.

INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP03/00331

A. CLASSIFICATION OF SUBJECT MATTER

Int.Cl⁷ C08F214/26

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Int.Cl⁷ C08F214/26

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
 Japanese Utility Model Gazette 1926-1996, Japanese Publication of Unexamined Utility Model Applications 1971-2001, Japanese Registered Utility Model Gazette 1994-2001, Japanese Gazette Containing the Utility Model 1996-2001

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	JP 62-192411 A (E.I.DU PONT DE NEMOURS AND COMPANY) 1987.08.24, CLAIM 1; (FAMILY:NONE)	1-11
A	JP 9-52920 A (E.I.DU PONT DE NEMOURS AND COMPANY) 1997.02.25, CLAIM 1 & EP 759446 A1	1-11
A	JP 9-202814 A (E.I.DU PONT DE NEMOURS AND COMPANY) 1997.08.05, CLAIMS 1-3 & US 5700889 A	1-11
A	JP 59-166516 A (DAIKIN INDUSTRIES, LTD.) 1984.09.19, CLAIMS 1-3 & EP 117450 A1	1-11
A	JP 2002-535456 A (DYNEON GMBH & CO KG) 2002.10.22, CLAIMS 1-15 & EP 1165632 A1	1-11

 Further documents are listed in the continuation of Box C. See patent family annex.

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"&" document member of the same patent family

Date of the actual completion of the international search

14.04.03

Date of mailing of the international search report

30.04.03

Name and mailing address of the ISA/JP

Japan Patent Office

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4J 9843

INTERNATIONAL SEARCH REPORT

International application No.
PCT/JP03/00331

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	JP 58-69213 A (DAIKIN INDUSTRIES, LTD.) 1983.04.25, CLAIMS 1-3 & EP 75312 A2	1-11
A	WO 01/36504 A1 (DAIKIN INDUSTRIES, LTD.) 2001.05.25, CLAIMS 1-4 & EP 1262496 A1	1-11